

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S18	158038	"219"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:38
S19	2600	S18 and electrode and (cooling near5 water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:39
S20	317	S19 and (sleeve with insulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:39
S21	139	S20 and (spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:41
S22	23	S21 and resistance adj welding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:41
S23	3	S20 and (spring) and projection adj welding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:41
S24	25	S22 or S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/17 15:41
S25	1	("5705784").PN.	USPAT	OR	OFF	2007/03/24 17:07

## EAST Search History

S26	1067	(projection adj welding) and (electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 17:11
S27	95	S26 and (sleeve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 17:08
S28	3	S26 and (sleeve same water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 17:08
S29	150	(projection adj welding) and (electrode) and water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 17:33
S30	332	(219/93).CCLS.	USPAT	OR	OFF	2007/03/24 17:33
S31	65	(219/86.31).CCLS.	USPAT	OR	OFF	2007/03/24 17:34
S32	284	(219/89).CCLS.	USPAT	OR	OFF	2007/07/31 14:54
S33	670	S30 or S31 or S32	USPAT	OR	ON	2007/03/24 17:34
S34	66	S33 and water	USPAT	OR	ON	2007/03/24 17:34
S35	22176	aoyama.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 14:54
S36	244	S35 and electrode and welding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 14:55
S37	32	S36 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 14:59

## EAST Search History

S38	2652	(electrode) and (projection near10 welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:01
S39	46	S38 and (sleeve same cool\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:03
S40	17	(electrode and projection and welding and sleeve).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:03